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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/934,887	08/22/2001	Kimberly Lynn Gajda	RPS920010058US1	8167
25299	7590	02/12/2004	EXAMINER	
IBM CORPORATION PO BOX 12195 DEPT 9CCA, BLDG 002 RESEARCH TRIANGLE PARK, NC 27709			NGUYEN, MERILYN P	
			ART UNIT	PAPER NUMBER
			2171	

DATE MAILED: 02/12/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/934,887

Applicant(s)

GAJDA ET AL.

Examiner

Merilyn Nguyen

Art Unit

2171

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: Detailed Action.

Art Unit: 2171

DETAILED ACTION

1. Claims 1-27 are pending in this office action.

Acknowledges

2. Receipt is acknowledged of the following items:
 - o Information Disclosure Statement (IDS) filed on 08/22/2001 and made of record as Paper No. 2. The references cited on the PTOL 1449 form have been considered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Copeland (US 2003/0046673).

Regarding claims 1 and 10, Copeland discloses a method and a computer program product having a computer readable medium having computer program logic recorded thereon for converting Structure Queried Language (SQL) queries into an Open Database Connectivity (ODBC) standard (See [0051-0052]) comprising:

- parsing a source code (See Paragraph [0011, 0015]);

Art Unit: 2171

- identifying an SQL statement (See Paragraph [0052], lines 8-10);
- matching said SQL statement with a function, wherein said function is associated with one or more ODBC calls, lines and substituting said SQL statement with a call to said function [See Paragraph [0052], lines 11-12).

Copeland is silent as to parsing a source code to identifying an SQL statement. However, this step is inherent in Copeland since the process of reading C language statements with interspersed Structured Query Language statements so that the SQL statements can be converted into ODBC calls (Paragraph [0052], lines 8-10) is direct suggest the function.

Regarding claim 19, Copeland discloses a system, comprising:

- a processor (processor 120, Fig. 1);
- a memory unit (System memory 130, Fig. 1) operable for storing a computer program operable for converting Structure Queried Language (SQL) queries into an Open Database Connectivity (ODBC) standard;
- an input mechanism (user input interface 160, mouse 161);
- an output mechanism (output 195, 196, 197); and
- a bus system (system bus 121, Fig. 1) coupling the processor to the memory unit, input mechanism, and output mechanism, wherein the computer program is operable for performing the programming steps as addressed above in claim 1.

Art Unit: 2171

Regarding claims 2, 11 and 20, Copeland discloses identifying one or more variables based on said one or more keywords and building a data structure for each of said one or more variables (See Paragraph [0045]).

Regarding claims 3, 12, and 21, Copeland discloses extracting parameters from said SQL statement, wherein said parameters are data required to process said SQL statement (See Paragraph [0063]).

Regarding claims 4, 13, and 22, Copeland discloses incorporating said parameters and address of each of said data structure built in said function (See Paragraph [0062, 0063]).

Regarding claims 5, 14, and 23, Copeland discloses evaluating said SQL statement, wherein said function is matched with said SQL statement upon evaluating said SQL statement (See Paragraphs [0052], lines 11-12, [0105-0106]).

Regarding claims 6, 15, and 24, Copeland discloses wherein said data structure stores at least one of information required to process said SQL statement and a result of processing said SQL statement (See Paragraph [0045]).

Regarding claims 7, 16, and 25, Copeland discloses compiling said source code with said call to said function substituted for said SQL statement [See Paragraph [0052], lines 12-13]; executing said compiled source code (See Paragraph [0053]); and executing said one or more ODBC calls associated with said function (See Paragraph [0085]).

Art Unit: 2171

Regarding claims 8, 17, and 26, Copeland discloses wherein said SQL statement requests a particular query, wherein further comprises returning a result of said particular query in response to said one or more ODBC calls (See Paragraph [0052, lines 13-14)).

Regarding claim 9, 18 and 27, Copeland discloses outputting said result (See Paragraph [0041]).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yong U.S Patent No. 5,749,079 discloses end user query facility including a query connectivity driver.

Fast U.S Patent No. 5,664,173 discloses method and apparatus for generating database queries from a meta-query pattern.

Rosensteel U.S Patent No. 6,363,391 discloses application programming interface for monitoring data warehouse activity occurring through a client/server open database connectivity interface.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Merilyn P Nguyen whose telephone number is 703-305-5177. The examiner can normally be reached on M-F: 8:30 - 5:00.

Art Unit: 2171


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 703-308-1436. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



MN

February 8, 2004



SAFET METJAHIC
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100